

From qrp-1@Lehigh.EDU Mon Feb 26 22:34:00 1996
From: dh%reddog.csustan.edu@altair.csustan.edu (Doug Hendricks)
Subject: [4696] 49er KITS From NorCal
Message-ID: <9602260610.AA03874@reddog.csustan.edu>

Ok, Ok, Ok, guys you have asked for it and we will do it for you. NorCal is going to offer a kit version of the 49er. It will have a Board, Cystal, and all board mounted parts for \$25, postage paid in the US. If you are DX, please add \$5 for shipping. I ordered the new boards today from FAR Circuits, and they will be ready in about 2 weeks. Kits will ship as soon as the boards come in.

How about the guys who ordered boards? If you want a kit of parts, we will sell you one for \$20, including crystal. But, please specify on your order that you have the board and just want the parts kit.

Send your orders to:

Jim Cates, WA6GER
3241 Eastwood Rd.
Sacramento, CA 95821

As always, make checks and money orders to Jim Cates, NOT NORCAL. Please put a note in that you are ordering the Kit and Board for \$25 or the Parts Kit only for \$20. Jim and I have received many phone calls complaining about the unavailable parts????? (Well, guys don't want to pay the minimum charge)
72, Doug KI6DS

From qrp-1@Lehigh.EDU Mon Feb 26 22:34:00 1996
From: "Ted Kell" <tkell@nyx.net>
Subject: [4708] 49er Parts
Message-ID: <9602261409.AA15026@nyx.net>

I don't think that I have seen DEBCO mentioned for the parts not available from Mouser. They have the 2N5484, the NE602, and the LM380N-8. Mouser has everything else. Call 800 infor for their phone number, or try their www page. You can find it via Yahoo.

72

Ted

From qrp-1@Lehigh.EDU Mon Feb 26 22:34:00 1996
 From: rossi@VFL.Paramax.COM (Pete Rossi)
 Subject: [4735] 80 METER BEACON REPORT (round 2)
 Message-ID: <9602262137.AA07183@gvlf6-a>

Well there was a pretty good turnout for round 2 of the 80 meter test beacon.

Reports were received from 25 stations. 23 copied at least one codeword correctly. Nobody heard the 50 microwatt beacon (I am not surprised). But a few could at least hear traces of the 200 microwatt beacon and both Paul AA4XX and John AA10C initially reported 3 of the 4 letters of the 200 microwatt beacon; and later made correct guesses at the 4th letter! Well done!

Below is a list of the best power level and miles/distance for each station reporting. They are grouped by power and listed by miles/watt.

--- STATION	-----	---LOCATION--	DISTANCE	BEST POWER	MILES/WATT
AA4XX	Paul	Raleigh NC	340	0.0002	1,700,000
AA10C	Bill	Merriamack NH	284	0.0002	1,420,000
AA8LF	John	De_Witt MI	514	0.0020	257,000
N8ET	Bill	Findlay OH	439	0.0020	219,500
N2JJ	Jim	Galway NY	221	0.0020	110,500
W4NFR	Bill	Warrenton VA	153	0.0020	76,500
KC4EWT	Dan	Herndon VA	127	0.0020	63,500
WJ2V	Preston	Lawrence NY	98	0.0020	49,000
WA8MCQ	Mike	Severn MD	91	0.0020	45,500
NU8N	Jim	Fenton MI	472	0.0200	23,600
WB8IJN	Nils	Medway OH	450*	0.0200	22,500
N4EKP	George	Cary NC	343	0.0200	17,150
K2NF	Norm	Orange_City FL	832	0.2000	4,160
W3PM	Gene	Huntsville AL	712	0.2000	3,560
WZ2T	Rich	Malone NY	340	0.2000	1,700
WA1QVM	Joel	Concord MA	271	0.2000	1,355
N1QQV	Ken	Madison CT	172	0.2000	860
N2CX	Joe	Brooklawn NJ	16	0.2000	80
AB0AE	Fred	Ottawa KS	1063	2.0000	532
WB0CLD	Bill	St_Charles MO	808	2.0000	404
KB9IUA	Kevin	Rock_Island IL	800	2.0000	400
N9NVV	Charlie	Terre_Haute IN	635	2.0000	318

KC1GS	Bill	Hudson MA	259	2.0000	130
KV2X	Tom	Fairport NY	239	none	0
KM1Z	Fran	Burlington VT	330	none	0

* estimated distance. CALL2DIST returned
 "no geo info found for 45341, looking for MEDWAY, OH" (?)

Many stations reported hearing *something* at the next lower power level
 that they successfully copied.. but that 80 meter static sure is a killer.

The codewords were:

2 W	MOON
200 mW	SING
20 mW	FISH
2 mW	WEST
200 uW	SNOW
50 uW	FIVE

Each power level was sent for 2 minutes with the whole cycle of 6 levels
 repeating 5 times per hour.

Here are highlights of the reports received....

=====

N9NVV Charlie

Copied 2w MOON at 0215z. I could copy some of the signal at 200mw but lots
 of QRN.

I'm using a TEN-TEC Argosy es Hustler 6BTV vertical.

N1QQV Ken

Was able to copy the beacon at both levels. The magic words are moon
 and sing. QSB is a bit tuff here, and even the 2 watt beacon is in and out.

N8ET Bill

2w - moon

200 mw - sing
20 mw - fish
2 mw - west
200 microwatts was in the noise

Used a Drake TR-7 - had two antennas - Inverted vee - - you are off the end to the east! and a vertical. Vertical seemed to be the best when it got tough.

AA8LF John

2:00 moon 539
2:03 sing
2:06 fish
2:18 west (distinct)
2:30 heard it well enough to copy "qrp"

72, Bill wb0cld

Received your 2W beacon in St. Charles, MO at 0237. The code word received was "moon". RST 329, with local noise. Used my SP-600 receiver, MFJ-16010ST tuner, and a 120 ft end-fed wire antenna. The Yaesu FT-301 couldn't cut it tonight.

WJ2V Preston

Copied your beacon as follows:

2w "moon" 599
200 mw "sing" 579
20mw "fish" 559 (noise level plus lightning was about or above 559)
2mw Heard, but code word would be a guess at: WEST?

Amazing what qrp can do. Thanks for the challenge!

WA1QVM Joel

Heard the WA3NNA/B beacon again tonight (Sat, 2/24/96). Not as strong as last night but still very strong for a QRP station / beacon.

EST	PWR	CODE	RST
2100	2W	MOON	559
2102	200 MW	SING	549

The 20 MW beacon was heard but could copy only part of the CODE word. Code word might be xHSE (x = unknown) or maybe WHSE.

The 2MW signal was NOT heard ... below noise level.

In general the signal levels tonight were lower than last night.

Notes:

1. More QRN than last night.
2. Nil QRM again tonight.
3. Rig: QRP+, Antenna: Long Wire, with tuner

WA8MCQ Mike

Sat night, 3557 KHz, 25 Feb 96, 0312Z 2W MOON (piece-o-cake), 0314Z 20 200 mw SING 549, 0316Z 20 MW FISH 429, 0319Z 2 MW WEST (319). All RST reports, of course, wildly subjective :-). Two watts quite strong, moved meter to S5, which is a goodly signal, 200 mw moved it some, 20 and lower not at all. Two mw was decidedly HARD, nothing heard lower. Interestingly, I had to use a step attenuator to get the weaker ones, to improve the signal to noise ratio--seemed to get less filter ringing with the attenuator in line with the antenna, which is a 40M delta loop, open wire ladder line and Heath SA-2060 tuner.

W4NFR Bill Warrenton, VA

I heard the beacon 2/24/96 and here are my results.....

Power	Code Word	Time	Rig	Antenna
2W.	moon	9:13pm	TS-50s	80 m dpl
200mw	sing	9:07pm	"	"
20mw	fish	10:17pm	"	"
2mw	west	10:20pm	"	"

Used a 500 hz cw filter.....sigs were s-10 for the 2 watt signal....

KC4EWT Dan

Only had one chance to listen, and here's what I got:

2/25Z	RX PWR	WORD	RST
-----	-----	----	----
0311Z	2 W	MOON	599
0313Z	200 mW	SING	539
0315Z	20 mW	FISH	519

0331Z	2 mW	WES_	319

(I'm guessing WEST, but I'm not too sure about the W, E, or S, either!)

Receiving equipment: IC-745, 250 Hz xtal IF and notch filters, passive LC audio filter, Tucker T-1000 tuner

Receiving antenna: bent/drooping inverted vee resonant somewhere between 80M and 40M

There were QSOs just above and below 3557 kHz. I could not hear 20 mW at 0317Z but inserted a 10 dB attenuator between tuner and rig to catch bits at 0331Z. If the QSOs had not been in progress, I might have copied successfully. BTW, I reset my station clock to WWV after hearing the above and found it to be 35 seconds slow.

Super test, thank you (and AA4XX) for your work and the opportunity to participate.

AB0AE Fred Ottawa KS

I heard your beacon at 2w, codeword MOON, 559 or better. Good signal, at 3:49 am UTC. I began to hear it at 200mw, think I copied the codeword HINT, and copied the remainder of the message solidly, only to be thwarted in a confirmatory repeat by QRM (CQ EU).

I am using a GAP Titan, RG58/U feedline (I know, I need to upgrade the feeder to something with half the loss), and my Kenwood TS-940S

QTH is Ottawa, KS, about 40 miles southwest of Kansas City, KS.

Hope this provides useful info. I enjoyed participating.

N2CX Joe

No chance to listen last nite, but here's tonight's log:

Time	RST	Power	Word	Comments
9:12	569	2W	MOON	Good signal above local noise
9:13	459	200MW	SING	Right at local noise level
9:18				Signal gone
9:23	459	2W	MOON	Signal back
9:24	349	200MW	SING	In noise
10:00	559	2W	MOON	Good copy in spite of QSO nr freq
10:02	459	200MW	SING	Good copy but severe QSB

This is kinda surprising 'cuz I expected 80 to be pretty solid between us. Have to see how it is during daylight hurs if you run at that time.

Rig - ARG0 509 and 40 meter dipole. Noise on Butternut vertical too high!

AA4XX Paul

0201Z	200 mW	SING	569
0203	20 mW	FISH	349
0205	2 mW	WEST	229
0219	2 W	MOON	589

I only heard one brief whisper of anything below 2 mW. At 0256Z I distinctly copied "200 uW," and I think the codeword was KNOW. It was very light copy (RST 119), and it only lasted a few seconds. Did I get it right???

IT's now 0436Z, and the 2 Watt level is 589 RST.

.. and later on...

Pete,

Concerning the 200 uW codeword, I know I copied the last three letters correctly, but I only heard one dit for the first letter; It must be SNOW. I'm listening hard right now to verify it, but the QRM is murderous. The receiver is my trusty FT-757GX and the antenna is an inverted vee with the apex at 45 feet, broadside to you. This session has presented the most challenging listening demands of my entire 28 yr ham career! Thanks for the fun. Going to bed now...Will be hearing static crashes in my dreams, no doubt. :-)

AA10C bill southern NH

At 23:23 EST your 2W signal was 589 here. I followed the progression down, and here are my results:

2W MOON DE WA3NNA/B QRP
200mW SING " "
20mW FISH " "
2mW WEST " "
200uW STOW? " "

After the above progression, the signal was lost to QRN :-(

N2JJ Jim Galway, NY

I heard your beacon on 3557 2/25/96 at 0200Z and 0445Z

The code words were:

2 W "MOON"
200 mW "SING"
20 mW "FISH"
2 mW "WEST"
200 uW could copy the power but QRN/QSB always covered the code word.

It was frustrating to plainly hear "200uW" and not the code word!!

I listened off and on during the beacon period. The signals peaked at 0442 allowing the copy of 2mW word and 200uW power designation.

The band was very noisy (wx QRN) although QRM was surprisingly low.
AA4XX and others did rossi@VFL.Paramax.com a good job keeping the QRG clear.

Receiver - TS830S Ant - 33' vertical 9 radials.

Congrats on the fine job and am looking forward to the next test.

KM1Z Fran in Burlington VT

I heard the beacon at 11:14 est.

I copied" v v v 2 w m x o n d wa3nna"

rst329

rig is ts 520, vee beam with tuner

W3PM Gene Huntsville AL

I copied your beacon down to the 20 mW level this evening.

Time: 0200 - 0208 UTC 25 FEB 1996

Codeword 2 W: MOON

Codeword 200 mW: SING

Codeword 20 mW: CHIN

Location: Huntsville, AL

Receiver: Drake TR7 (300 Hz Filter)

Antenna: 100 ft dipole @ 35 ft - 450 ohm balanced feedline - homebrew ATU

Conditions: 2 Watt signal peaked to 569. QSB about 10 dB. Static crashes > S6

Remarks: It was very difficult to copy between static crashes, therefore the codeword for 20 mW may be incorrect. I could sometimes hear a character at the 2 mW level.

NU8N Jim Fenton MI

Pete...I heard your beacon last night here in Fenton.

All reports were between 0330Z and 0345Z

Power	Code Word	Signal
2w	moon	S5
200mw	sing	S2
20mw	fish	S0
2mw	qrm from QRO station. Signal could be heard in noise	

My equipment: FT990 and 130 inverted doublet fed with open wire feeders. Doublet up 50 feet at center and ends at 15 feet. Also listened on 160 meter inverted L. No difference in signal strength. BTW, both antennas run N-S

WZ2T Rick

Not very good conditions here last night for beacon reception. Had high winds and snow, the QRN was terrible and the snow static crashes made it darn near impossible. I heard bits and pieces of the beacon down to I think the 200uw level, but I was unable to copy the code word below 200mw. Even then I'm not sure if I got it right.

2w MOON 0248 UTC

200mw ?SING? 0252 UTC

Without the static crashes, I'm sure I would have copied the beacon down to the 200uw level with little problem. Didn't hear a peep of any type from the 20uw level.

Nils WB8IJN

I heard yer beacon last night. It was doing really well at 2w and at 200 mw and even at 20 mw. Surprised me a couple times 'cause I'd copy the 20 mw sig and then hear it fade into the mist. Then all of a sudden I'd hear this big 2 w signal come squawking out of the speaker and then I'd have to wake up. Bummer.

So here's the deal:

0413 UTC (25 Feb... that's today here, which is Sunday, even if I get the date wrong... OK?)

0413 UTC through 0430 UTC

2 watts (codeword MOON) RST: 579
200 mw (codeword SING) RST: 559
20 mw (codeword FISH) RST: 449
anything below 20 mw was inaudible or covered by a nearby QSO.

What's amazing to me is the 20 mw signal. It wasn't armchair and it wasn't clear as a bell, but it was there, even with fading and QRM. And I had the audio and the IF filters on. This is on the Argosy analog with a G5RV antoona fed directly into the 300 lead (none of that damn coax matching chunk crap) with a QRP version (HB) of the Ultimate Transmatch.

And I thought I was so cool running 750 mw in one of the 40 meter contests last summer. Hah! Next time I'll tune it down to about 20 mw and see what kind of hell I can catch for being weak.

KC1GS Bill Worcester MA

From my QTH (nr Worcester MA), heard and copied the word for 2w, heard characters but didn't get the word for 200mw.

N4EKP Frank Cary NC

Rig: Kenwood 930s

Ant: 150' Dipole at 75' fed with 150' of ladder line.

Time: @0320 UTC

Code words copied: MOON SING FISH

Comments: As with the 40M beacon, this was a blast. Timing was a problem for me with QRN and QRM. During the 2mW section, static always crashed during the codeword :-). Also, a QSO just a bit higher in frequency than the beacon, caused some interference. Many thanks to you for providing the beacon!

KV2X Tom near Rochester NY

I listened a couple of times last Saturday, 8:30 and 10 PM but there was stations using the frequency you chose. If you were there you were covered up.
Sorry.

antenna: 40 m quarter wave

K2NF Norm

Was able to copy your 80 meter beacon Saturday night here in central Florida at 10:30 PM EST. results are as follows:

2 watts	459	moon
200 mw	339	sign
20 mw	119	pith (?)

At the 20mw level I was never able to copy the code word completely at one time. From what I was able to get, and piecing the letters

together I came up with the word "pith". I'm fairly sure the first two letters were "pi" and then I copied a "b" or "h" at the end of the code word.

Anyhow, it was fun. Thanks for the opportunity. Let me know how good my guess was at 20mw.

KB9IUA Kevin Rock Island IL *on the Iowa-Illinois border)

The best I could do with your beacon on Saturday night was 2 watts (codeword MOON). I could tell your lower-powered single was there, but couldn't get complete copy (codeword something line xxNG -- hang?). I had QSOs on either side you, and half the time on top of you. My old (35 years) Hammurlund HQ-110 with Q multiplier couldn't mask enough out (when just one offending QSO, I could, but when two, nope, as I couldn't null both). Still, my indoor random wire (about 15ft of wire) couldn't help enough for the weak signal :-).

===end=====

Looks like the biggest problem on 80 is not the raw signal strength but the static/QRN/noise level. It would be interesting to run something like this over several days so more chances at hopefully lower static levels.

Well that's it. I hope to run the 80 meter beacon again in March. At a minimum it will be on from sunset to sunrise. I haven't decided yet if it worth keeping it on through the day.. It will probably go with the same or similar power format, unless someone suggests something better. There were a few comments that a faster CW speed might make copying through the static easier. I might bump it up to 15 or 18 WPM next time if there are no objections. Stay tuned for further details...

I am open to any other suggestions. It really is not that much trouble to run this thing. The hardest part is sorting through all of the e-mail that it generates and putting a summary together..

Paul, AA4XX has asked me run the beacon Tuesday March 12th during part of a QRP presentation he will be giving that night. We haven't set the exact details yet, but *something* will probably be going on that evening. So stay tuned for more info on a "quickie" beacon (probably for an hour or so) during the evening of March 12.

If anyone wants a QSL card just send me one with an SASE and I will return one of my special beacon QSL cards.

73,

Pete Rossi - WA3NNA
rossi@vfl.paramax.com

From qrp-1@Lehigh.EDU Mon Feb 26 22:34:00 1996
From: Russ1031@aol.com
Subject: [4734] A QRP adventure of the thunderous kind
Message-ID: <960226162832_333664235@emout09.mail.aol.com>

The arrival of the New England QRP newsletter several weeks back brought to mind a tale worth telling.

Last fall, I participated in the New England QRP Afield in a solo backpacking venture in Central Oregon. I'd already made a computer analysis of the site and was in a state of arousal over the results. According to the topographic map, it would be possible to drive my truck to the top of a high, forested plateau and then to bushwack to the edge of a 2,500 foot cliff. The cliff appeared to be concave and to face east. Perfect!

On Friday I drove to the plateau and parked the truck at what appeared to be the best launching point for the bushwack. The terrain was high (7,000 feet), flat and densely forested with pines. I struck off through the forest and managed to encounter the cliff at just about the place I'd examined on the computer.

I'd strapped a 26 foot collapsible aluminum mast to my pack. I erected the mast at the edge of the cliff and hoisted a multi-band inverted V on a halyard. Then I put up my one-man tent about 15 feet from the base of the mast and ran the coax into the tent.

That night I crawled into my sleeping bag and drifted off with noble thoughts--this is what human powered QRP adventuring is all about, I mused. A great location, snug tent, and good night's sleep.

KERBOOM! The interior of the tent lit up with brilliant, white light. Gosh, I thought, that sure was loud. CRASH! Again, blinding light, and the earth shook. Holy smoke. This was getting more exciting than I expected.

It was then that I understood that 15 feet away from an aluminum mast is not the world's best place to be at a time like this. With the lightning strikes now coming only 15 seconds apart, it occurred to me that this would be an excellent time to abandon ship.

The truck seemed like the best place to wait out the storm, even though there was a lot of featureless, black forest between me and it. I grabbed my compass, a headlamp and a parka and headed for the trees.

At which point I had a learning experience. It turns out that the brain gets

easily confused by lightning strikes in a thick forest. Every time a section of the forest was illuminated by a strike, my alleged brain would say: "oh yes, that's the way to the truck, just where the lightening struck." I've talked to other foolish people since, who've also been wandering around in dense forest during a lightning storm, and they report the same thing happened to them.

I realized that this would be like flying a plane IFR. I needed to focus on the compass and ignore what my senses were telling me. I figured that I could at least hit the road if I paid attention to the compass. Then I would walk a timed amount to the north and south. If I didn't find the truck, I'd find a relatively dry spot and wait until dawn.

So I walked through the forest with my eyes grimly trained on the compass. My headlamp lit up the compass and feet, and not much else. It seemed that a long time went by, but I tried to concentrate on the compass and ignore the thunder and lighting. Was my headlamp ever going to pick up the sight of the gravel road under my feet?

Finally, curiosity get the better of me. I raised my head to look around, and there, no more than two feet ahead, was the side of the truck.

The next day was very mellow, as I reflected on the little miracle of the night before. I got a decent score in QRP Afield, although I'll admit I was a little punchy.

Next time I haul my aluminum mast to the high country, I think I'll take a little more coax.

Russ Carpenter, AA7QU, McKenzie River, Oregon

From qrp-1@Lehigh.EDU Mon Feb 26 22:34:00 1996
From: Bill Acito 26-Feb-1996 1106 <acito@asdg.ENABLE.com>
Subject: [4723] Audio Add On Box
Message-ID: <9602261626.AA06376@us1rnc.bb.ENABLE.com>

Just an FYI,

I've been working on an audio add-on box for my Norcal, Small Wonder, and Green Mountain series of rigs. It includes:

- a Radio Shack LM386 amp kit
- there were some 'hiss free designs' posted in a recent QRPp,
- I may mod this to match that

-a AF AGC limit

I find the dynamic range of these rigs can really crush your ears if you are not careful. This was from the Feb 95 QST article. Far Circuits has corrected the circuit board for this.

-an OHR SCAF, mod'ed with 12 filter positions and an external center freq adjust.

All are seperately selectable using 3PDT switches (removes power as well as the circuit from the line).

Any inputs or suggestions are welcome.

b

. - I own my own words -

Bill Acito

acito@asdg.enet.dec.com

|d|i|g|i|t|a|l| Digital Equipment Corporation Hudson, MA

KC1GS ... qrp-ne ... qrp-l ... qrp-arci ... norcal ... arrl life ...

From qrp-l@Lehigh.EDU Mon Feb 26 22:34:00 1996

From: plquick@facstaff.wisc.edu (Paulette Quick, N9OUH)

Subject: [4745] Bad CQ

Message-ID: <v02110108ad57974a3da0@[144.92.104.160]>

Regarding the poorly sent CQ: For those of you that have heard the errant alternative to dahdidahdit dahdahdidah, this question--what was the quality of the rest of the message? Were there a significant number of poorly sent or incorrect letters? Or was the problem just the CQ?

72 de N9OUH

Paulette Quick

plquick@facstaff.wisc.edu

Madison, WI

From qrp-1@Lehigh.EDU Mon Feb 26 22:34:00 1996
From: QLF@mimi@magic.itg.ti.com
Subject: [4741] BAD KEYING OR?
Message-ID: <9602262232.AA20742@itg.ti.com>

From: Brad Bradfield QLF

Subj: BAD KEYING OR?

Been reading the thread this afternoon on "What the heck is _._. _._. anyway?"
My first thoughts about lazy, sloppy sending followed several of our other
readers, but then I got to thinking about beginners being beginners, and being
somewhat nervous and all, and I remembered an occurrence (rather embarrassingly!)
from my VERY EARLY days. I went to field day with our local club the day after
I took my novice written test, and had a ball. Sometime on Saturday afternoon
I was playing with someone's keyer (off the air) and must have spent several
minutes sending CQ, before someone else in the camper asked why I was sending
CY instead of CQ. Now I thought I knew the code frontwards, backwards, and
inside out, but in my haste, I sure wasn't sending what I "knew" to be CQ.

The originator of this thread didn't mention how fast this individual was
going, or how skilled he sounded, but inexperience is one possibility.

73's

Brad, WB0CGH

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Collector of wireless and landline Morse keys and accessories.

From qrp-1@Lehigh.EDU Mon Feb 26 22:34:00 1996

From: Johnson_Dan@AAC.COM

Subject: [4759] Bio Filters (was Re: One more 80 m beacon comment)

Message-ID: <9602270551.22763.aa@SMROUTER.AAC.COM>

Not really wishing to answer for Pete, I would like to dovetail an observation:

> the code word always seemed to dip down just a bit... Pete - was
> that automatic power adjustment only a timed adjustment, or did you
> have it set to knock the power down when you sent the code word
> also??? ;>))

Based on Pete's earlier description of the equipment and software, it would not be possible for his computer to control the output power in the middle of the message. The power control logic would not know when the sending logic is beginning and ending the code word. Besides, there is nothing to be gained - and everything to be lost - by lowering the power during the code word.

The power dip may have been perceived and not actual. I have noticed that, when copying a weak signal, if I tense up just before critical data (callsign, name, etc.) arrives, there is good chance that QRM and QSB will "increase" to interfere with my recognition. If instead I can manage to relax, I get solid copy in spite of actual QRM and QSB. In the absence of experimental controls, I can't say whether the noise is the same in both circumstances, but it seems reasonable to hypothesize that one's state of mind affects its filtering and recognition ability.

If this is so, then relaxation exercises should perhaps be included in a QRPers arsenal. (And simple ones should be taught in license courses for code tests.)

I am a firm believer in untapped powers of the mind and that through exercise we can tap at least some of them. That's why I sometimes turn off the IF and audio filters and practice head copy "directly". That's also why I'm not in a mad scramble to get and use the latest in DSP and other technical magic (though I admit to SCAF lust). There's no denying that they, like QRO, have their time and place, but there's also no denying that relying on fancy filters all the time does little to improve your wetware.

Now, anybody got plans for a transverter from HF to brainwaves?

72 de KC4EWT

Johnson_Dan@aac.com

From qrp-1@Lehigh.EDU Mon Feb 26 22:34:00 1996

From: aa7qy@primenet.com (Roger Hightower)

Subject: [4713] C-QRP QSO Party

Message-ID: <199602261554.IAA29898@usr2.primenet.com>

What a fun way to spend a Sunday afternoon. Lots of activity on 40M.
I heard virtually nothing on 20, so decided to work single band.

Sporadic operation because of honey-do's, but netted 15 Q's, 8 SPC's
and 8 names for 4992 pts.

Russell, AA7QU, Cap, W0XC and Al WB7NSW had near-QRO signal
strengths. Worked Pennsylvania too, :-) (why can't I get the FOX
in PA?)

Heathkit HW-9, OHR SCAF, R-7 vertical on the ground in some trees.
Almost as invisible as Paul, KB8N's, but not as good.

Only heard six QRP-L members, but I'm sure there were more out there.

Have to change my name to Zeb so I can generate a pileup, :-)

72/73 es tn timer to all who heard me.

Roger, AA7QY

NorCal 1099 CoQRP 176 QRP-L 62 G-QRP 9081 ARCI 8946 NE-QRP 383

From qrp-l@Lehigh.EDU Mon Feb 26 22:34:00 1996
From: Bob_Tellefsen-CNSE97@email.mot.com
Subject: [4730] CO Contest
Message-ID: <M705451.117.efvd5.1.960226200652Z.CC-MAIL*/OU=LMPCC10/OU=ILBE/
PRMD=MOT/ADMD=MOT/C=US/@MHS>

For some reason I forgot about the contest, so only got in on the last half
hour.

Worked two CO, two CA and one OR stn. Was kind of hoping for a new state for
2-way QRP WAS on 40m, but no luck. I've got all the easy ones, now looking for
ND, SD and the like.
72/73 BobT N6WG

From qrp-l@Lehigh.EDU Mon Feb 26 22:34:00 1996
From: AlK0FRP@aol.com
Subject: [4700] Co QRP Club Contest
Message-ID: <960226014557_333190470@mail06.mail.aol.com>

Hi Guys

Great turn-out guys, many stations active in the contest. The new time change to provide opportunities to 40 and 80 was great. Ended with a good score not official yet?

20m 37 q's, 40m 94 q's, 80m 20 q's 59 spc 19 names

Does anyone know any Irv's, Oscar's, Quinceys, Utar's, Xavior's or Zeke's

Wiked NY , NH, PA, GA on 80 m glad to hear the activity from the east coast on 80m

HP1AC was on 20 and 40 again good sig Cam.

Also Bob V01DRB on 20 M.

The 1 and 2 watters did exceptionally well on 40m. N2MNN 1w is getting louder HI. But I'm starting to recognize the call.

Talked to Marshall AA0XI and I may operate using the Club Call for the next contest with a HIGH bonus point for working the station. Look for Details in the Low Down or here on QRP-L. Thanks for all the calls today and lets keep having fun Ok.

We still seem to amaze the 100w guys

I can't believe that AMTOR interference was not a factor. (In Colorado anyway)

The best ever Colo QRP Contest YET ??? There are many more to come

Al K0FRP Dit Dit

From qrp-l@Lehigh.EDU Mon Feb 26 22:34:00 1996

From: Mill.Moore@VALLEY.NET (Mill Moore)

Subject: [4725] CO QSO Party Results

Message-ID: <680453@hanover.VALLEY.NET>

My results from Sunday evening's Colorado QRP Club Winter QSO Party... 11 QSOs, 56 QSO points, 8 states, 10 first initials (all on 40 meters) for a final score

of 4,480.

Forty meters seemed to deteriorate as the evening wore on. I lost a couple of QSOs in the last 90 minutes due to severe QSB. Had lots of fun though, trying to "run" a string of QSOs (well, I did manage two in a row once in the early going!), dodging the data guys near 7.040, and listening carefully for new stations.

73,
Mill, AA1PB
Hartland, VT

From qrp-1@Lehigh.EDU Mon Feb 26 22:34:00 1996
From: ae4ic@nr.infi.net (BOB KELLOGG)
Subject: [4726] Co. QRP QSO party
Message-ID: <199602261814.NAA14156@mh004.infi.net>

Well, gang,

It was a lot of fun, and I missed most of it because I'm still working to fine-tune the NW8020. I like to build and experiment more than I do operate, apparantly.

The neatest thing was the email registration with the Colorado QRP Club. I've been thinking about joining a couple more QRP clubs just to get their newsletters and participate in their contests as a member, etc. I put off registering until Saturday morning, finally filling out the email form and putting my \$10 check in an envelope. No way they could issue me a number in time for the contest, but at least I'd be registered. To my surprise and delight, an email later that day gave me number 247 in time for the contest!

EARNEST: TAKE NOTE! I've still got the form from NE QRP Club somewhere in my stack of things to get done.

So, was on the air the last 1 1/2 hours and only made 6 contacts for a total of 640 points. But, It was so much fun, I wished I'd started earlier. Conditions were coming and going, and some stations worked could be heard one minute and not the next. K5ZTY came in strong as usual (sounded like 100 watts). -- it seems I work him every contest.

I believe contesting as a participant, not necessarily as a contender, is a great way to improve operating skills. Many thanks to the Colorado guys for this one.

Bob Kellogg, AE4IC

Prolably, but not nececelery. - Benny Hill

From qrp-1@Lehigh.EDU Mon Feb 26 22:34:00 1996
From: JKXM17A@prodigy.com (ALLEN SMITH)
Subject: [4757] CQ And Other Things
Message-ID: <097.02169862.JKXM17A@prodigy.com>

Dale, KB0VCC, recently reported hearing the odd morse CQ "dah dit dah dit, dit dah dit dah." Now, I've heard this too and thought: "Either this dude is just plain simple or I am missing something here." I have no explanation, Dale.

Listen long enough and you will also hear a general CQ call to no one in particular but ending with the prosign "KN" which means, of course, only one specific station is requested to answer. Go figure.

Best Regards to all,

Allen - AA0YU (a perplexed old ham in Grand Junction, CO.)

From qrp-1@Lehigh.EDU Mon Feb 26 22:34:00 1996
From: Scott Rosenfeld NF3I <ham@w3eax.umd.edu>
Subject: [4761] For Sale: Palomar PT-340 Tuner-Tuner
Message-ID: <Pine.3.89.9602262223.A12783-0100000@w3eax.umd.edu>

Not EXACTLY QRP, but potentially a very useful accessory (for someone's QRP setup).

One Palomar PT-340 Tuner-Tuner. Generates energy that is heard in the receiver as noise, which becomes nulled when the antenna is properly matched. Great because

- 1) don't have to make QRM tuning up the antenna
- 2) don't have to xmit with unprotected final section into mismatch

Perfect condition, just invested in two additional protection fuses (1/16 amp) and a new manual. They sell for \$90 new, and I'm asking \$65.

Scott Rosenfeld NF3I Burtonsville, MD FM19 QRV 40-10/6/2/440
*** VHF @ <25w, HF @ <5w *** Who says Morse Code is dead? ***
Stuck at 138 cfd with dipoles - QRP-L, QRP ARCI, DXCC/WAS/WAC
72/73 de Suburban DC 301-549-1022 h / 301-982-1015 w dit dit

From qrp-1@Lehigh.EDU Mon Feb 26 22:34:00 1996
From: "David E. Shelton" <deshel01@homer.louisville.edu>
Subject: [4743] FS: Timewave DSP-59+ w/ Firmware ver 3.0
Message-ID: <Pine.OSF.3.91.960226173407.28763A-1000000@homer.louisville.edu>

I have a very nice DSP I am selling because I won't need it when I get my new rig. This unit has the latest firmware version 3.0 and will work with just about any rig. It does a very nice job on CW and Digital modes which is what I used it for. It is in excellent condition and the asking price is \$180 plus UPS.

If interested contact via e-mail.

73/72,

```
-----  
David E. Shelton, RN, BSN KE4FPS |  
|  
University of Louisville, SON |  
deshel01@homer.louisville.edu |  
102551,1470@compuserve.com |  
KE4FPS@WD9AGK.#SIN.IN.USA.NA (packet) |  
"Every Patient Deserves A Nurse!" |  
|  
QRP ARCI #9079 FISTS #2103 QRP-L #142 |  
-----
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From qrp-1@Lehigh.EDU Mon Feb 26 22:34:00 1996
From: Grover Tolliver <gtkq4al@qnet.com>
Subject: [4756] Heath Kits
Message-ID: <1.5.4b11.16.19960226211934.1abf5e30@pop3.qnet.com>

QRP-L Group: It would indeed be interesting to know why Heath dropped the HAM Radios/ kits after years of apparent success with them.

The comments on the supposed high cost of the kits/documentation are a puzzle to me. My first QRP kit was a Model HW-9, which I began in 1989 and finished sometime in 1991. I'm slow and without the very excellent documentation and instruction sheets I'd still be at it. I was, and still am, very happy to have paid the extra bit for the guidance. Were I to buy eight (80M TO 10M) mono-band QRP rigs today I suspect the cost might well more than double the \$400.00+/- of thw HW-9 Kit.

I've built four more QRP kits in the past year. All of them are good rigs and fun to work on and with, but, none are equal in value for price paid to the HW-9.

72 y Paz Grover/Doris

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*****
* KQ4AL *ARCI 8150 *CO-QRP 203 *G-QRP 7872 *NE-QRP 296 *NW-QRP 252 *
*MI-QRP 1380 **NC-QRP 751 *QRP-L 14 *10-10 61894 *INDEXA 3001      *
* KE4CYE *CO-QRP 284 *NW-QRP 385 *QRP-L 52                        *
*           Fixed Base & Mobile HF/VHF/UHF                        *
* ~~~~~*
```

From qrp-1@Lehigh.EDU Mon Feb 26 22:34:00 1996
From: Joel Malman <malman@bbnplanet.com>
Subject: [4760] Heath Kits
Message-ID: <9602262153.aa09349@poblano.bbnplanet.com>

Re:

> From: Grover Tolliver <gtkq4al@qnet.com>
> Subject: Heath Kits
>
> QRP-L Group: It would indeed be interesting to know why Heath dropped the
> HAM Radios/ kits after years of apparent success with them.

It was my understanding (from being on the inside of the computer and communications industry) that within a short time (one year?) after Zenith bought Heath, Zenith lost all interest in 'home' electronics kits (i.e. TV, Stereo, Ham gear, weather stations, etc., etc.) and only wanted to sell computers, primarily to the U.S. government (mostly portables for the ground forces, i.e. Army, Marines, etc.). Zenith did pretty well with this strategy for a few years...

/joel wa1qvm

From qrp-1@Lehigh.EDU Mon Feb 26 22:34:00 1996

From: dh%reddog.csustan.edu@altair.csustan.edu (Doug Hendricks)
Subject: [4695] Heathkit Demise Bad For QRP?????
Message-ID: <9602260609.AA03871@reddog.csustan.edu>

IZ
**B000000000000000

**B10000000000045a

IZ
**B000000000000000

**B10000000000045a

Rob Capon postings on his experience with the HW-9 Kit is interesting and entertaining. He has been lamenting the fact that the demise of HeathKit is to be mourned, and the ham community is left with a void.

I disagree, if that is Mr. Capon's view, in that I feel the QRP community is far better off today than when Heath was at it's height of glory. Why? Because we have all of the small QRP companies giving us all of these choices that we didn't used to have. Think about it. When HeathKit was up and running, how many choices did you have for QRP kits? What do you have now?

Companies like:

OHR, with the Explorer, Sprint, Classic, 400, and all of his wonderful accessories.

Wilderness Radio has the Sierra, NorCal 40A and the KC-1 Frequency Counter/Keyer.

Small Wonder Labs with the NN1G 40-40, 40-30, 40-80, etc. and the Green Mountain series just introduced. Why they go from 15 to 80 meters, just pick the band you want.

Emtech, W6EMT's new company that has the 80-20 CW Transceiver that is available from 80 through 20 meters. Plus Roy is working on several other new products that will be exciting to see.

624 has a great line of kits and transceivers plus accessories.

MXM Industries has a great transceiver plus transmitter and receiver kits.

Roger Wagner, K6LMN, sells SimpleSuperhet Monoband Receivers 80-20 m, and he has a 6M converter kit too.

S&S Engineering has very high quality kits for 40 and 80 meters.

A&A Engineering sells the Gary Breed design.

Tejas Kits in Texas has the Backpacker series.

Bill Kelsey's Kanga Kits features all of the Kanga Products from Great Britain, plus the R1, R2/T2 series from Rick Campbell.

HSC Electronics has the Pixie II.

Electrokit in Ohio sold a ton of Spiders.

Not to mention the Club Kits: NW QRP Club has done a couple of transmitter kits.

NE QRP Club had the Colorburst Transmitter and the 40-40.

G-QRP Club did the 20 Meter CW kit.

NorCal has done the NorCal 40, Sierra, Cascade, 8044 Keyer kit, 49er, California SSB Board, Epiphyte I and II boards, ST. Louis Tuner, and we have a couple of other "irons in the fire".

Do I miss HeathKit??? Well, yes and no. If I had a choice of them staying in business and the companies that we have today not being here, I would say no thanks Heath. You served your purpose well, but the times passed you by. I wouldn't trade the opportunities that we have today for 3 Heathkits. Look what we have today. SSB, CW, Superhet Receivers, Pass Band Tuning, Digital Readouts, CHEAP prices. All because of competition and more than one player in the game.

Rob, keep up the postings on the nostalgic trip you are taking with your HW-9, thank you for sharing. But, I like the way the QRP world is today.

If I left someone out, it was unintentional. This was done off the top of my head.

72, Doug

From qrp-1@Lehigh.EDU Mon Feb 26 22:34:00 1996

From: "'AB7HI' Stephen Lee" <slee@u.washington.edu>

Subject: [4701] I could like this...

Message-ID: <Pine.A32.3.91j.960225210507.143368B-1000000@homer10.u.washington.edu>

Made 7 valid contacts during the contest. Sure seemed like more at the time, hi hi. There towards the end it was getting pretty hectic. Quite a few nonmembers came on the air to add to the excitement (and the scores...thanks!!!). I know there were folks I missed in two separate pileups. Was trying to jot down everyone I heard but not many lingered at one frequency for very long. Sort of like popcorn popping in an uncovered pan, hi hi. A few of the misses were: KF7MD, AB5UA, N0LRJ, WB7FCB, AA0YU, KC6UN. The hit parade consisted of: WB0JNR, KD0SU, KI6BJ<-QRO, KE6PTM, KC6FWH, AA0XI, N6MM, KJ7TB. Caught the QRO station on 14.035 as I tuned the bands. He won't score. Tried to work the novice segments and found no one. I guess we pushed the digital boys up into the 7.110 area cause they were thick in there. Flushed out three exactly 10 KHz apart. I now know where the monster movies get some of their sound effects :) Not wanting to raise their ire, I moved on.

One of you folks was drifting like crazy. I hadn't heard a rig drift like that since I worked ole' Carbon Chloride (CO2CL) from Cuba. Now Joe drifted all through the 40 meter extra segment one morning...making all kinds of contacts, including me! Being that my filters were sharper than my operating skills, I missed you this time around. But it was fun trying!

All-in-all, it was a good day and a fine event :)
Thanks CQC!

Stephen Lee, AB7HI
slee@u.washington.edu

From qrp-1@Lehigh.EDU Mon Feb 26 22:34:00 1996
From: plquick@facstaff.wisc.edu (Paulette Quick, N9OUH)
Subject: [4728] K5FO at the hamfest
Message-ID: <v02110104ad5764db6e1b@[144.92.104.160]>

Chuck,

One of the best things about attending a hamfest is the show-and-tell afterwards. So tell us what else you purchased and what was your overall impression of the hamfest.

Me: Seems there is more junk at hamfests in this past year. Maybe I'm just developing good taste. QRP used gear is usually way too high priced. Always real nice folks to talk to, though. It's also great to be in an *all-radio* ambiance.

72 de N9OUH
Paulette Quick
plquick@facstaff.wisc.edu
Madison, WI

From qrp-1@Lehigh.EDU Mon Feb 26 22:34:00 1996
From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: [4727] K5FO/8
Message-ID: <199602261908.TAA06840@chuck.dallas.sgi.com>

Gang,

I'm in a block hole up here in Detroit. Can't hear a thing in the hotel room on 40M.

Thursday night, February 29th, meeting at Hershel's - a deli at the Drury Inn, Troy MI. 7 p.m. local. At the I-75 and Big Beaver exit SE corner. Lot's of room so come on down.

I went to the Livonia swap on Sunday so the bags are weighted down even more. Got enough magnetic wire to wind a lifetime of toroids. :-)

dit dit
ZZ

--
Chuck Adams (K5FO CP-60) adams@sgi.com
Box 181150, Dallas, TX 75218-8150

From qrp-1@Lehigh.EDU Mon Feb 26 22:34:00 1996
From: Marshall Emm <75230.1405@compuserve.com>
Subject: [4746] KS Hamfest
Message-ID: <960226230732_75230.1405_HHB56-1@CompuServe.COM>

Anybody have details and/or a contact phone number for the hamfest in Colby, KS on March 9th?

73/72
Marshall
AA0XI/VK5FN

From qrp-1@Lehigh.EDU Mon Feb 26 22:34:00 1996
From: "N100Q Tom R. @ MR01 26-Feb-1996 0908" <randolph@est.ENET.dec.com>
Subject: [4709] more DX
Message-ID: <9602261420.AA02729@us4rmc.pko.dec.com>

QRPers,

Lots of 40m DX to be had these days... I worked 8P6EA, Trevor, in Barbados yesterday at about 20:30 local. I was calling CQ with about 4W out from my new amp. He was a 559, he gave me a 449 from here in Massachusetts. Congrats

go to Trevor for copying my rusty fist!

Keep on DXing,

=====

Tom Randolph	N100Q	NE-QRP 419	QRP-L 87	ARRL	randolph@est.enet.dec.com
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From qrp-l@Lehigh.EDU Mon Feb 26 22:34:00 1996
From: dsa@apollo.hp.com
Subject: [4731] New way to CQ???
Message-ID: <199602262034.PAA68638@nss2.CC.Lehigh.EDU>

Hi Folks,

Tho' not exclusively a QRP question, I'm puzzled by something.
Has the CQ calling convention changed and nobody told me?
Instead of sending the usual CQ: -.-. -.-.
I am hearing some hams sending: -.-. .-.-
Huh? I assume it's some kind of CQ because they follow it by
"de callsign callsign K"? Please forgive my ignorance but
can someone enlighten me? I have heard at least 4 different
hams (all within the US) call this way. Has someone changed
the characters in the CW letter 'Q'???

72/73 de Dale, KB0VCC QRP-L #91

From qrp-l@Lehigh.EDU Mon Feb 26 22:34:00 1996
From: Dan Reynolds <bcdlr@midwest.net>
Subject: [4705] Novice bands
Message-ID: <199602261304.HAA13164@cdale1.midwest.net>

This may be a dumb question, but do any other countries' bands overlap the
US novice bands, (other than CA)? If so what bands/freqs? TNX
Peace+
Dan Reynolds, bcdlr@slip.net, KB9JL0

From qrp-l@Lehigh.EDU Mon Feb 26 22:34:00 1996
From: "Bill Kelsey - N8ET - Kanga US" <kanga@brutus.bright.net>
Subject: [4751] One more 80 m beacon comment

Message-ID: <199602270046.TAA18029@brutus.bright.net>

I noticed something while trying to copy the 200 microwatt signal from WA3NNA this weekend - the code word always seemed to dip down just a bit, and then the WA3NNA and QRP would come jumping out of the noise.

In reading the comments that Pete posted to the list I found that I was not the only one that noticed that phenomenon....

Pete - was that automatic power adjustment only a timed adjustment, or did you have it set to knock the power down when you sent the code word also??? ;>))

73

73 - Bill Kelsey - N8ET

Kanga US

kanga@bright.net

419-423-4604

<http://qrp.cc.nd.edu/kanga/>

From qrp-l@Lehigh.EDU Mon Feb 26 22:34:00 1996

From: RHILT0@acxiom.com

Subject: [4744] Re[2]: New way to CQ???

Message-ID: <13239c00@acxiom.com>

sez Michael (aa0ub) --

>" -.-. -.-. is pure laziness, lack of attention to
>detail and lack of respect for hobby. It's important to
>remember that in Amateur Radio as in all aspects of life,
>there are people that simply don't care. They don't know
>what it means to try to be the best. They don't know how
>to better themselves through self-examination."

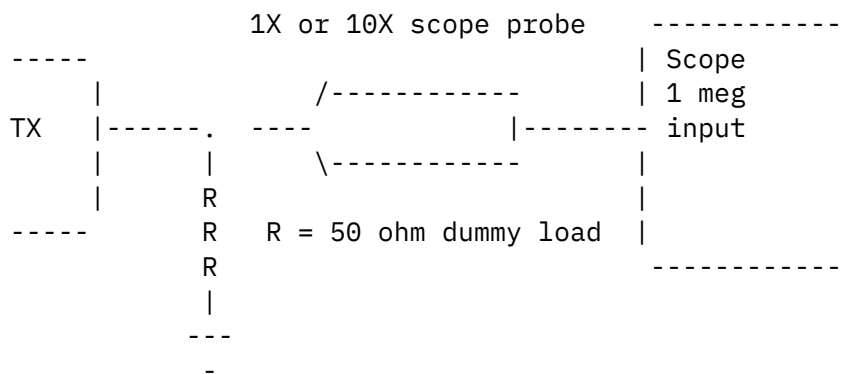
Not picking on you, Michael, but what's the difference between this sample of mangled code and the average message on the QRP-L list? Every month or so somebody complains about the lazy, lack of attention to detail that goes into many postings, and the rabble come out of the woodwork to defend sloppy typing as not relevant to the message content. If we're willing to accept misspelled words, crummy grammar, and imaginative punctuation on the net, then we shouldn't complain about keying problems.

Bob ki5ez

From qrp-1@Lenigh.EDU Mon Feb 26 22:34:00 1996
From: Mike.Czuhajewski@bbs.abs.net (Mike Czuhajewski)
Subject: [4690] Scope for power measurement
Message-ID: <1996Feb25.234545.5040@abs.net>

An oscilloscope is a good tool for measuring the output of QRP rigs, especially at milliwatt levels. However, it can be misleading if you're not careful; I made a silly mistake a while back and don't want to see you do the same thing.

First, some basics as someone requested by private e-mail a while back. To measure power with a scope, connect the RF to a dummy load and measure the signal with the scope, using the probe that came with it. It will be either an X1 or X10 probe. With most scopes you will have to mentally multiply the volts per division setting by 10 with the X10 probe, though some scopes will automatically switch the display when X10 probes are detected.

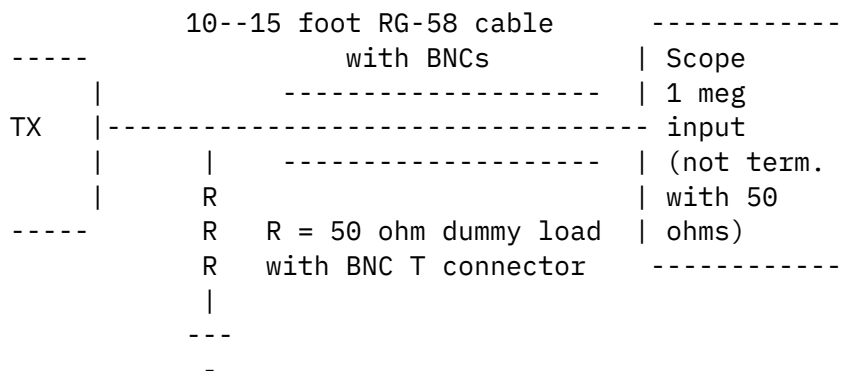


Set the scope for a suitable display and measure the peak to peak voltage. Divide the p-p value by 2 to get peak volts, divide again by 1.414 (or multiply by 0.707) to get RMS volts, dividing peak to peak by a total of 2.828. Find the power by squaring the RMS voltage and dividing that by the impedance--normally 50 ohms.

A little trick I've used for years is to stop at peak voltage, square that, and divide by $2R$, or 100. It makes it a bit simpler since I just need to mentally shift the decimal point over two places. That only works for 50 ohms, though. Converting peak to RMS is done by dividing by 1.414, or multiplying by 0.707. The formula for power is voltage squared divided by resistance. The way the math works

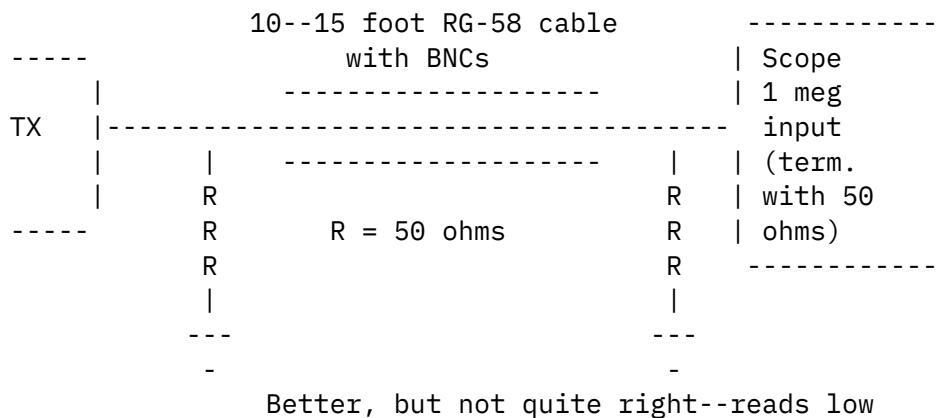
out--that's $(\text{RMS} \times \text{RMS})$ over R , or $(\text{Peak} \times 0.707 \times \text{Peak} \times 0.707)$ over R , which equals $(\text{Peak} \times \text{Peak} \times 0.5)$ over R , or Peak squared divided by $2R$. (Totally confused? I love doing equations in text format!)

Now here's how NOT to do it, as shown by the next figure. I was working someone with my power control all the way down and wanted to tell him how many milliwatts I had. To measure power I normally use a dummy load with diode detector attached, measuring the peak output voltage with my Fluke digital meter. This time I couldn't find the meter to use the diode detector, so I used my Tektronix 465B scope for a power measurement for the first time at my station. It was on the other side of the room and I couldn't move it closer, so I connected it to the dummy load with a long 50 ohm cable with BNC plugs on both ends, 10 to 15 feet long, like this---



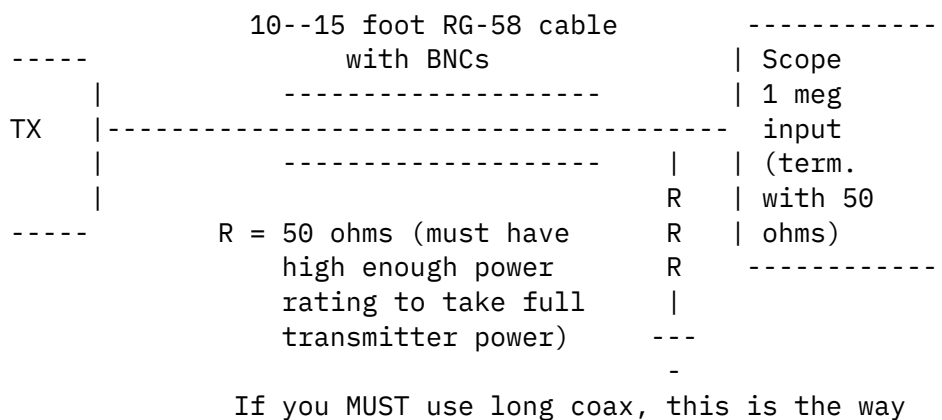
Don't do it this way!

I measured 5 volts peak, or about 250 milliwatts, but based on past experience I knew it should have been closer to 3 volts peak, or 90 mw. Some tests later showed that the power really was about 90 mw, but that I had been using an "amplifying cable". The problem is that the 50 ohm cable was plugged directly into the 1 megohm input of the scope, causing the voltage at the input to be higher than normal due to the impedance mismatch and high SWR on the cable. The actual impedance was 1 megohm resistive plus a small reactive component, since scope inputs also exhibit a certain amount of capacitance to ground (the value is sometimes stenciled on the panel near the input connectors); it was about 13 pF in this case, or a capacitive reactance of about 1750 ohms at 7 MHz in parallel with the 1 meg resistive component. I got a lower reading when I terminated the scope input with 50 ohms, but the reading was still erroneous since the transmitter was now terminated by 25 ohms.



The next figure shows the proper way to do it if you must use a long cable; the end of the cable at the scope is terminated with 50 ohms, and there is no other 50 ohm load on the line. This should be done directly at the vertical input, if you have a scope termination, or you can use the dummy load and a coax tee with a very SHORT piece of coax.

Test equipment terminations are small devices with male and female BNC connectors (usually) on the ends and a terminating resistor inside. If shopping hamfests for these, be sure they are for 50 ohms, since some are 75 or 93 ohms, and there are probably a few other odd values out there. Although they have only two ends and resemble a BNC barrel connector, think of them as a tee with a wire from end to end and a resistor from the wire to ground.



Don't forget that in this case the termination acts as the dummy load and must be able to handle the power applied to it. Typical test equipment terminations are 1 or 2 watts, though there are also some 5 watt monsters out there. I have one of those from Tektronix, a lucky, once in a lifetime find, and it's about 3" long. That's a rather dangerous thing to have sticking out from a scope input connector; an accidental yank on the cable could be disastrous, so I use a right angle adapter to make the termination hang down, and the cable can be tied down to the scope cart for safety.

Remember, the proper way to measure power with a scope is to use the proper scope probe, and if you MUST use a long cable, put the 50 ohm load right at the scope input (and be sure it's rated for the power you're going to use).

[This will appear in slightly modified form in the Idea Exchange column in the April 1996 QRP Quarterly. Anyone can reprint it in their own QRP journal if they want, but please let me know first so I can send you some real drawings, not ASCII art! I did them with KeyCAD and they look much better than the ones here.]

73 and Queue Our Pea DE WA8MCQ wa8mcq@bbs.abs.net

--

Mike Czuhajewski, user of the UniBoard System @ abs.net
E-Mail: Mike.Czuhajewski@bbs.abs.net
The WB3FFV Amateur Radio BBS - Located in Baltimore, Maryland USA
Supporting the Amateur Radio Hobby, and TCP/IP InterNetworking

From qrp-1@Lehigh.EDU Mon Feb 26 22:34:00 1996
From: bmitchel@kodak.com (Brad Mitchell)
Subject: [4704] Scout/Argo current draw
Message-ID: <9602261308.AA04826@iiatasun.cba.Kodak.COM>

Thanks to all that responded .
Guess it's in the manual!

73 Brad WB8YGG

From qrp-1@Lehigh.EDU Mon Feb 26 22:34:00 1996
From: N1QQV@aol.com
Subject: [4762] Sloppy Fists
Message-ID: <960226223128_154287838@mail02.mail.aol.com>

My cure for this problem is simple: Outside the Novice bands, I never call, and will not answer, a sloppy fist. Spin the dial....

From qrp-1@Lehigh.EDU Mon Feb 26 22:34:00 1996
From: george <georges@telerama.lm.com>
Subject: [4752] thanks
Message-ID: <Pine.3.89.9602261902.A19111-0100000@terrazzo.lm.com>

Thanks to all for the congratulations and encouragement, I was going to respond to each individually but the response was overwhelming. Thank you all very much.

I find myself now in the position of having to obtain some accessory equipment. Anyone care to comment on the following (good or bad)?

MFJ-941E antenna tuner

MFJ-704 low pass filter

Got to worry about TVI because I will be limited to antennas that are not optimum.

I've pretty much made up my mind on these but comments would be welcome.

I will be using an old HW-101 (1968 vintage) and will be making the ALC circuit (from this list of course) to get it to go QRP. This rig has never been on the air by the way, but thats another story.

P.S. to KA1AXY (Peter). I did try 20 wpm but my eyes rolled up into my head and I think some of my hair fell out. Man I can't even WRITE that fast.

Again, thanks very very much and see you on the air.

George Stratemeier N3???

=====
An armed society is a polite society. -Robert Heinlein-

From qrp-1@Lehigh.EDU Mon Feb 26 22:34:00 1996
From: Russ1031@aol.com
Subject: [4692] The CQC Contest, from the Land of Trolls
Message-ID: <960225235042_431637235@mail04.mail.aol.com>

The CQC Winter QSO Party provided some good times in Oregon (although it was a beautiful day here, and I was tempted to put on the skis). Based on hasty arithmetic, I ended up with 82 QSOs and 37 sections. I thought the turnout was pretty darn good--a positive sign for the health of the QRP community.

80 meters was strangely inactive, even though propagation seemed fine and the noise was quite tolerable. Is it an under-used resource?

All in all, a good event and a credit to the CQC.

Russ Carpenter, AA7QU, McKenzie River, Oregon

From qrp-1@Lehigh.EDU Mon Feb 26 22:34:00 1996
From: bhowell@mail.utexas.edu (Bill Howell)
Subject: [4747] Tool Notes
Message-ID: <199602262341.RAA12379@mail.utexas.edu>

I'm always on the lookout for decent, affordable tools. A friend recommended I try Builders Square. I usually avoid Builders Square, preferring Home Depot. What I found at the Square was a nice little pair of dikes, just the right size for snipping excess lead-lengths during kit-building.

They are stainless steel, spring loaded with plastic covered handles. What makes 'em nice is the way the cutting edges come together. You can hold 'em up to the light and not see any gap. Also the jaws have very little 'slop' in them and the cutting edges are machined very close to the 'side' of the tool (a picture would be better here).

If you're getting ready to start that new kit, and you're present dikes are better suited to cutting coat hanger wire, check these out.

Technicraft Precision Snips
#3747
\$5.97 (Builders Square)

N5AL0

---Then bring us a shrubbery. Nee.

I have a chance to buy an unbuilt HW-9 up here. How much is it worth?

W1AW ops over the next coming weeks:

KC1GS I personally will be at W1AW on Wednesday, Feb 28, during the normal visiting hours (1-4PM Eastern). Every couple of months myself and a few ham friends here at work 'cut

out' for a vacation day and take a little jaunt down to League Headquarters. I will run CW on whatever higher bands are open (20, 17 or 15m), staying close to, but not on, the QRP frequencies. I will be running QRO, but listening periodically for QRP. My operating time is subject to who ever else is there on the rigs, how long it takes me to figure out those high-end radios with fifty dials (where's the blessed RIT?) and how much time I spend at the local ham shops. Say 'Hi Bill' or 'QRPL' if you are from this list.

QRP-NE On Sunday, March 10, QRP-NE will be having a meeting at W1AW. This meeting tends to bring everyone out of the 'wood work', so there should be no shortage of ops. Normal business is in the morning, with our dedicated operating time from 1-3PM Eastern. Since we will all be bringing our 30-40, 40-40, and maybe a Green Mountain to show off, please listen for W1AW/QRP on 40, 30, and 20m CW.

Hope to work you all...

b

. - I own my own words -
Bill Acito
acito@asdg.enet.dec.com
|d|i|g|i|t|a|l| Digital Equipment Corporation Hudson, MA

KC1GS ... qrp-ne ... qrp-l ... qrp-arci ... norcal ... arrl life ...

From qrp-l@Lehigh.EDU Mon Feb 26 22:34:00 1996
From: postmaster@nd.edu
Subject: [4710] WARNING: message delayed at "nd.edu"
Message-ID: <199602261549.KAA54701@nss2.CC.Lehigh.EDU>

Your message to,

steve.hideg.1@nd.edu

Subject: Heathkit Demi...

has not yet been delivered to the addressee due to a message transmission failure.

Your message is queued for processing on nd.edu and delivery attempts will continue. No action on your part is required. If the message cannot be delivered in the next 67 hours, it will be returned to you.

Delays such as the one you are experiencing can be caused by hosts being down, SMTP servers/gateways being down temporarily or permanently, network outages, or other difficulties, either locally or at the remote site or inbetween.

postmaster@nd.edu

From qrp-1@Lehigh.EDU Mon Feb 26 22:34:00 1996

From: postmaster@nd.edu

Subject: [4711] WARNING: message delayed at "nd.edu"

Message-ID: <199602261549.KAA27567@nss2.CC.Lehigh.EDU>

Your message to,
steve.hideg.1@nd.edu

Subject: Re: Keyer Pad...

has not yet been delivered to the addressee due to a message transmission failure.

Your message is queued for processing on nd.edu and delivery attempts will continue. No action on your part is required. If the message cannot be delivered in the next 68 hours, it will be returned to you.

Delays such as the one you are experiencing can be caused by hosts being down, SMTP servers/gateways being down temporarily or permanently, network outages, or other difficulties, either locally or at the remote site or inbetween.

postmaster@nd.edu

From qrp-1@Lehigh.EDU Mon Feb 26 22:34:00 1996

From: postmaster@nd.edu

Subject: [4712] WARNING: message delayed at "nd.edu"

Message-ID: <199602261549.KAA58843@nss2.CC.Lehigh.EDU>

Your message to,

steve.hideg.1@nd.edu

Subject: Re: The CQC C...

has not yet been delivered to the addressee due to a message transmission failure.

Your message is queued for processing on nd.edu and delivery attempts will continue. No action on your part is required. If the message cannot be delivered in the next 67 hours, it will be returned to you.

Delays such as the one you are experiencing can be caused by hosts being down, SMTP servers/gateways being down temporarily or permanently, network outages, or other difficulties, either locally or at the remote site or inbetween.

postmaster@nd.edu

From qrp-1@Lehigh.EDU Mon Feb 26 22:34:00 1996

From: postmaster@nd.edu

Subject: [4714] WARNING: message delayed at "nd.edu"

Message-ID: <199602261558.KAA69083@nss2.CC.Lehigh.EDU>

Your message to,
steve.hideg.1@nd.edu

Subject: The CQC Conte...

has not yet been delivered to the addressee due to a message transmission failure.

Your message is queued for processing on nd.edu and delivery attempts will continue. No action on your part is required. If the message cannot be delivered in the next 66 hours, it will be returned to you.

Delays such as the one you are experiencing can be caused by hosts being down, SMTP servers/gateways being down temporarily or permanently, network outages, or other difficulties, either locally or at the remote site or inbetween.

postmaster@nd.edu

From qrp-1@Lehigh.EDU Mon Feb 26 22:34:00 1996

From: postmaster@nd.edu

Subject: [4715] WARNING: message delayed at "nd.edu"

Message-ID: <199602261558.KAA69100@nss2.CC.Lehigh.EDU>

Your message to,

steve.hideg.1@nd.edu

Subject: Re: Help(b) N...

has not yet been delivered to the addressee due to a message transmission failure.

Your message is queued for processing on nd.edu and delivery attempts will continue. No action on your part is required. If the message cannot be delivered in the next 66 hours, it will be returned to you.

Delays such as the one you are experiencing can be caused by hosts being down, SMTP servers/gateways being down temporarily or permanently, network outages, or other difficulties, either locally or at the remote site or inbetween.

postmaster@nd.edu

From qrp-1@Lehigh.EDU Mon Feb 26 22:34:00 1996

From: postmaster@nd.edu

Subject: [4716] WARNING: message delayed at "nd.edu"

Message-ID: <199602261558.KAA40185@nss2.CC.Lehigh.EDU>

Your message to,
steve.hideg.1@nd.edu

Subject: Re: Help(b) N...

has not yet been delivered to the addressee due to a message transmission failure.

Your message is queued for processing on nd.edu and delivery attempts will continue. No action on your part is required. If the message cannot be delivered in the next 67 hours, it will be returned to you.

Delays such as the one you are experiencing can be caused by hosts being down, SMTP servers/gateways being down temporarily or permanently, network outages, or other difficulties, either locally or at the remote site or inbetween.

postmaster@nd.edu

From qrp-1@Lehigh.EDU Mon Feb 26 22:34:00 1996

From: postmaster@nd.edu

Subject: [4717] WARNING: message delayed at "nd.edu"

Message-ID: <199602261558.KAA32051@nss2.CC.Lehigh.EDU>

Your message to,

steve.hideg.1@nd.edu

Subject: Re: Keyer Pad...

has not yet been delivered to the addressee due to a message transmission failure.

Your message is queued for processing on nd.edu and delivery attempts will continue. No action on your part is required. If the message cannot be delivered in the next 68 hours, it will be returned to you.

Delays such as the one you are experiencing can be caused by hosts being down, SMTP servers/gateways being down temporarily or permanently, network outages, or other difficulties, either locally or at the remote site or inbetween.

postmaster@nd.edu

From qrp-1@Lehigh.EDU Mon Feb 26 22:34:00 1996

From: postmaster@nd.edu

Subject: [4718] WARNING: message delayed at "nd.edu"

Message-ID: <199602261558.KAA32000@nss2.CC.Lehigh.EDU>

Your message to,
steve.hideg.1@nd.edu

Subject: Re: Help(b) N...

has not yet been delivered to the addressee due to a message transmission failure.

Your message is queued for processing on nd.edu and delivery attempts will continue. No action on your part is required. If the message cannot be delivered in the next 67 hours, it will be returned to you.

Delays such as the one you are experiencing can be caused by hosts being down, SMTP servers/gateways being down temporarily or permanently, network outages, or other difficulties, either locally or at the remote site or inbetween.

postmaster@nd.edu

From qrp-1@Lehigh.EDU Mon Feb 26 22:34:00 1996

From: postmaster@nd.edu

Subject: [4719] WARNING: message delayed at "nd.edu"

Message-ID: <199602261558.KAA32009@nss2.CC.Lehigh.EDU>

Your message to,

steve.hideg.1@nd.edu

Subject: I could like ...

has not yet been delivered to the addressee due to a message transmission failure.

Your message is queued for processing on nd.edu and delivery attempts will continue. No action on your part is required. If the message cannot be delivered in the next 68 hours, it will be returned to you.

Delays such as the one you are experiencing can be caused by hosts being down, SMTP servers/gateways being down temporarily or permanently, network outages, or other difficulties, either locally or at the remote site or inbetween.

postmaster@nd.edu

From qrp-1@Lehigh.EDU Mon Feb 26 22:34:00 1996

From: postmaster@nd.edu

Subject: [4720] WARNING: message delayed at "nd.edu"

Message-ID: <199602261558.KAA40177@nss2.CC.Lehigh.EDU>

Your message to,
steve.hideg.1@nd.edu

Subject: Co QRP Club C...

has not yet been delivered to the addressee due to a message transmission failure.

Your message is queued for processing on nd.edu and delivery attempts will continue. No action on your part is required. If the message cannot be delivered in the next 68 hours, it will be returned to you.

Delays such as the one you are experiencing can be caused by hosts being down, SMTP servers/gateways being down temporarily or permanently, network outages, or other difficulties, either locally or at the remote site or inbetween.

postmaster@nd.edu

From qrp-1@Lehigh.EDU Mon Feb 26 22:34:00 1996

From: postmaster@nd.edu

Subject: [4721] WARNING: message delayed at "nd.edu"

Message-ID: <199602261558.KAA69089@nss2.CC.Lehigh.EDU>

Your message to,

steve.hideg.1@nd.edu

Subject: 49er KITS Fro...

has not yet been delivered to the addressee due to a message transmission failure.

Your message is queued for processing on nd.edu and delivery attempts will continue. No action on your part is required. If the message cannot be delivered in the next 67 hours, it will be returned to you.

Delays such as the one you are experiencing can be caused by hosts being down, SMTP servers/gateways being down temporarily or permanently, network outages, or other difficulties, either locally or at the remote site or inbetween.

postmaster@nd.edu

From qrp-1@Lehigh.EDU Mon Feb 26 22:34:00 1996
From: "Brian L. Lewis" <76500.1621@compuserve.com>
Subject: [4703] ZF2LB and QRP-L suspend mailing
Message-ID: <960226114756_76500.1621_HHE25-2@CompuServe.COM>

Please look for me, ZF2LB on the Island of Little Cayman this coming weekend. I will be operating on CW in the QRP sections of the band on Thursday and the following Monday. During the contest, we will be operating as ZF2FT in the ARRL SSB DX contest (QRO).

To prevent my e-mail box from overflow, how do I suspend delivery for a couple days. Can I get all the mail I missed, once I get back?

Thanks.

Brian L. Lewis
N50CD
Shreveport, La.

From qrp-1@Lehigh.EDU Mon Feb 26 22:34:00 1996
From: Paul Christensen <PaulC@jax.se.continental.com>
Subject: [4706] RE: 49er KITS From NorCal
Message-ID: <3131E3D2@se.continental.com>

Thanks for taking up the cause Doug. As they say, my check is in the mail!

-Paul, N9AZ

From qrp-1@Lehigh.EDU Mon Feb 26 22:34:00 1996
From: Paul Christensen <PaulC@jax.se.continental.com>
Subject: [4707] RE: 49er KITS From NorCal
Message-ID: <3131E71E@se.continental.com>

>Jim and I have received many phone calls complaining about
>the unavailable parts????? (Well, guys don't want to pay the minimum
charge)

You know, there was a time back in the '70s when it seemed like electronic parts were really hard to find at reasonable prices. It seemed like we were going through a transition between mass-produced vacuum tube/high voltage components and solid state devices. I was in high school then and recall complaining about the same issue then.

Today, I'm never at a loss for finding good, high quality components. If the company I'm dealing with has a minimum (usually \$25.00) I keep a running requisition list in my shack. When I have enough items on it, I simply place an order. Of course, there are times when you just *have to* start and finish a project within a weekend based on a last-minute whim, or other circumstance. In that case, I'll try to predetermine my needs for the next month or two and place the order.

-Paul, N9AZ

From qrp-1@Lehigh.EDU Mon Feb 26 22:34:00 1996
From: Joachim Seibert <Joachim.Seibert@urz.uni-heidelberg.de>
Subject: [4702] Re: artificial ground
Message-ID: <Pine.A32.3.91.960226094344.40367A-100000@aixterm7.urz.uni-heidelberg.de>

On Sun, 25 Feb 1996, Jim Hunter wrote:

> Has anyone used an artificial ground like MFJ's? I am forced to use a

You can build it by Your own. A artificial ground is nothing but a series resonant circuit.

Some hams have had luck with computer ribbon cable. Each conductor is cut to a quarter-wave; one conductor per band. It's neater than having nine loose radials to untangle. Since this cable is also "the other half" of the antenna, it should be outside if possible.

Both the single random wire and the quarter-wave radial theories of counterpoise construction work. A good counterpoise will keep RF off the tuner and radio chassis.

Artificial grounds could be used as a last resort, but I think it's like using two tuners for one antenna system. The A/G is a low-impedance series L/C circuit and is tuned for maximum RF current in the counterpoise wire, making the wire like a quarter-wave tuned radial at that frequency.

72, Jay WB6AAM

From qrp-1@Lehigh.EDU Mon Feb 26 22:34:00 1996
From: "Robert J. Gobrick" <rgobrick@nfld.com>
Subject: [4749] Re: FS: TenTec Argosy II w/power supply
Message-ID: <2.2.32.19960226003806.00759f78@public.compuser.net>

Hi Rick,

Well the last time I called Ten Tec they had a mod sheet on the Argosy to install a concentric RF/AF control. They will also sell you their concentric pot (that is the same fit for the Argosy) from their Scout/ArgoII/Delta line. They don't have matching Argosy concentric knobs though so you may have to order the Scout knobs or try fabricating your own.

Anyway good luck and if you don't mind I'll post this for all to read in case others are interested.

73/72 Bob V01DRB/WA6ERB

PS: I've done the switch mod also but added a separate switch on the back of the rig (I think in one of the spare holes) to toggle off the meter light - and that along with the switch to turn off the LED display (also cuts out the LED hiss noise) really makes the Argosy II competitive receiver current drain wise. Saving current on transmitting though is another problem - it still draws a lot of overhead when you throttle down to 5 watts.

At 11:08 2/26/96 -0500, you wrote:

>Bob,

>

The
>one I would like to install is the RF gain mod. Someone on the list
>mentioned they have obtained a dual pot and concentric knobs from who I
>understand to be TenTec.
>I'm not one for drilling holes in front panels, so this approach to the
>RF mod sounded very interesting.
>
>The only mod I have done is to rewire the power on/off switch to turn off
>the panel light and LED to conserve battery power. I cut the rig on and
>off by and external switch.

>
>72/73,
>
>Rick Robinson kf4ar
>rerobins@uncc.edu
>
>

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-----  
| Bob Gobrick - VO1DRB/WA6ERB/VE2DRB - Newfoundland, Canada |  
| QRPPer Galore - ARCI, GQRP, NORCAL, NEQRP, COQRP, MIQRP, NWQRP |  
| Internet:      rgobrick@nfld.com |  
|                bgobrick@nlnet.nf.ca |  
| Compuserve:   70466.1405@compuserve.com |  
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From qrp-1@Lehigh.EDU Mon Feb 26 22:34:00 1996
From: Mel Evans <101366.3072@compuserve.com>
Subject: [4738] re: Heath demise bad for QRP??
Message-ID: <960226211555_101366.3072_JHP262-1@CompuServe.COM>

I'm following Rob's experiences with the unbuilt HW9 kit closely also, ---and literally! Inspired by Rob's acquisition, a bit of digging around over here in the UK and I've come up with a HW9 kit from the UK (local) Heath distributors back storeroom. I'm awaiting it's arrival, and I hope to get started soon.

Doug Hendricks' comments on whether or not the demise of Heath is bad for QRP are certainly valid, and I fully accept the points made, B U T, I would like to get my tuppence (two cents) worth in also. There is no doubt whatsoever in my mind that each and everyone of the current crop of kit manufacturers and suppliers here in the UK, and from what I've seen from the US, should be made to sit down and read at least six or seven Heath manuals before they think of issuing a kit to the ham public!

Now, before anyone gets upset, I'm not saying that manuals issued by the kit

people are poor, in most cases they ain't, they're just not up to the superb standard of those that came from Heath. What I am saying is, that there is no excuse for not trying to come up to the Heath standards when access to DTP is so easily available to most of us with Macs, PC's and WP machines.

I reckon the clarity of Heath manuals introduced a lot of hams to construction who otherwise wouldn't have tried, and to-day's kit people should remember, all hams aren't raised with a solder iron in one hand and a reel of solder in 't other!

Sorry for the Bandwidth, I'll keep the list posted on HW9 building on this side of the Atlantic if you would like?

72 and 73 de Mel

GM6JAG

From qrp-l@Lehigh.EDU Mon Feb 26 22:34:00 1996
From: Monte Stark <ku7y@sage.dri.edu>
Subject: [4740] re: Heath demise bad for QRP??
Message-ID: <Pine.SUN.3.90.960226141454.5854A-100000@vortex.sage.dri.edu>

Hi Mel,

One thing to keep in mind.....was all the cost of producing such great manuals part of the reason HeatKit failed?

Most of these new radios are made on boards and require very little in the line of directions. Better for there to be a little about how it works, good directions for tune up & trouble shooting. But not much needed for construction.

Give me a somewhat less than great book and a cheap kit any day! At least I can afford to buy that.....never could afford to buy a Heathkit!

cul,

73, Ron,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
...ku7y@sage.dri.edu.....Washoe Lake, Nevada....
...QRP-L #17....ARRL....NorCal #330.....NRA LIFE.....

From qrp-1@Lehigh.EDU Mon Feb 26 22:34:00 1996
From: Alan Kaul <kaul@netcom.com>
Subject: [4691] Re: Help! Need J309 J310 or 2N5484 for 49er
Message-ID: <Pine.3.89.9602252013.A5619-0100000@netcom19>

Others have told me they are available from Digikey (1-800-digikey).
And someone the net has posted that he has an ample supply and will make
them available for for \$1 each plus an SASE (unfortunately I forget who
wrote that!).

Circuit Specialists (800-528-1417) IN THEIR 1994 FALL/1995 WINTER catalog
shows they have the 2N5484 for about \$0.40!!! The NTE equivalent (which
I foolishly bought with my Mouser order for the rest of the parts---to
save time/effort and having to order from too many parts' houses---sells
for \$1.34 from Mouser or Circuit Specialists.

C-S also showed NE602's in stock as well as LM-380's although the catalog
does not specifiy whether it is the 8-pin or 14-pin version ---- I'd
suggest you verify it is 8-pin before you order.

Interestingly, Circuit Specialists has a minimum order for credit cards
and COD, but if you pre-pay by check or money order, the 94-95
Fall/Winter book says there is no minimum order!

PS-if you're in Arizona---don't try their 800 #, try 602-464-2485.

GL and 73/72 de alan

[<Alan Kaul, W6RCL>] kaul@netcom.com

From qrp-1@Lehigh.EDU Mon Feb 26 22:34:00 1996
From: WD6BOR@aol.com
Subject: [4694] Re: Help! Need J309 J310 or 2N5484 for 49er
Message-ID: <960226004520_153497429@emout07.mail.aol.com>

To all you 49ers,

DC Electronics
POB 3203
Scottsdale, AZ 85271-3203
1-800-467-7736

J309 \$.70 (cents)
J310 \$.70

2N5484 \$.75

Get their catalog. Good prices and parts not seen elsewhere.

Darrel, WD6BOR

From qrp-1@Lehigh.EDU Mon Feb 26 22:34:00 1996
From: aa7qy@primenet.com (Roger Hightower)
Subject: [4697] Re: Help! Need J309 J310 or 2N5484 for 49er
Message-ID: <199602260602.XAA06047@usr5.primenet.com>

At 11:51 PM 2/25/96 EST, Alan Kaul wrote:

>C-S also showed NE602's in stock as well as LM-380's although the catalog
>does not specify whether it is the 8-pin or 14-pin version ---- I'd
>suggest you verify it is 8-pin before you order.

>

>Interestingly, Circuit Specialists has a minimum order for credit cards
>and COD, but if you pre-pay by check or money order, the 94-95
>Fall/Winter book says there is no minimum order!

I visited Circuit Specialists a week ago trying to find parts, and they have
no LM380's in the 8 pin package, nor did they have NE602's in stock.

Had to get the 380's from DigiKey and the 602's from DC Electronics
in Scottsdale (1-800-423-0070 or 602-945-7736). He takes plastic, and
has a \$4.00 shipping/handling charge.

72/73, de Roger AA7QY

NorCal 1099 CoQRP 176 QRP-L 62 G-QRP 9081 ARCI 8946 NE-QRP 383

From qrp-1@Lehigh.EDU Mon Feb 26 22:34:00 1996
From: "Robert J. Gobrick" <rgobrick@nfld.com>
Subject: [4750] Re: K5FO at the hamfest
Message-ID: <2.2.32.19960226003815.00c75510@public.compuser.nf.ca>

Hi Paulette,

Well of course you are developing good tastes - you're hanging around with
the cream of the crop - nothing too good for us QRPers..(Typical QRP'er (no
names mentioned) at a ham flea market - How much did you say you wanted for
that original Doug DeMaw W1FB Barbados QRP Transceiver that's at least a few

years old, only puts out a few watts (20) and looks like it was home made?
What - how much? Ahh shucks, I'll guess I'll take it off your hands so you
don't have to haul it home... hmmmm)

At 14:27 2/26/96 EST, you wrote:

>Chuck,

>

>One of the best things about attending a hamfest is the show-and-tell
>afterwards. So tell us what else you purchased and what was your overall
>impression of the hamfest.

>

>Me: Seems there is more junk at hamfests in this past year. Maybe I'm just
>developing good taste. QRP used gear is usually way too high priced.
>Always real nice folks to talk to, though. It's also great to be in an
>*all-radio* ambiance.

>

>72 de N9OUH

>Paulette Quick

>plquick@facstaff.wisc.edu

>Madison, WI

>

>

>

>

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-----
| Bob Gobrick - VO1DRB/WA6ERB/VE2DRB - Newfoundland, Canada |
| QRPer Galore - ARCI, GQRP, NORCAL, NEQRP, COQRP, MIQRP, NWQRP |
| Internet:      rgobrick@nfld.com |
|                bgobrick@nlnet.nf.ca |
| Compuserve:   70466.1405@compuserve.com |
|-----
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From qrp-1@Lehigh.EDU Mon Feb 26 22:34:00 1996

From: prvalko <prvalko@Oakland.edu>

Subject: [4729] Re: K5F0/8

Message-ID: <Pine.OSF.3.91.960226144822.3968A-100000@saturn.acs.oakland.edu>

On Mon, 26 Feb 1996, chuck adams wrote:

>

> I went to the Livonia swap on Sunday so the bags are
> weighted down even more. Got enough magnetic wire
> to wind a lifetime of toroids. :-)

Heh heh heh... Gee Chuck, don't ya wanna share with the group your BIG purchase? Guess you're having trouble finding out where to plug in the keyer. heheheheheh :-)

73! =paul= wb8zjl

ObFoxhunt : Now that Chuck has experienced Michigan's (lack of) propagation, he may be willing to triple all MI-based fox scores.

From qrp-1@Lehigh.EDU Mon Feb 26 22:34:00 1996
From: aero@napanet.net (Richard Slavens)
Subject: [4698] Re: Keyer Paddles ??
Message-ID: <199602260642.WAA22331@bugs.napanet.net>

Thanks, to all of you for the responses to my question. Lot's of good information out there.

I picked up a copy of CQ Feb. issue and found the great article by K4TWJ on CW Keys. This seems to be a regular feature column. I don't subscribe to CQ, but think I'll start. Thanks, Bob (V01DRB/WA6ERB) for pointing it out.

While we are on the subject, has anybody tried the "Kitano Key" ?? It has two paddles side by side, that move in a up/down motion. Looks like two short piano keys. It might take a little while to get used to it.

72, Dick

Richard Slavens (APC) Napa, CA N19313 WA6TMF
aero@napanet.net

From qrp-1@Lehigh.EDU Mon Feb 26 22:34:00 1996
From: aero@napanet.net (Richard Slavens)
Subject: [4699] Re: Keyer Paddles ??
Message-ID: <199602260642.WAA22335@bugs.napanet.net>

JC,

Just send off a check this weekend to join NorCal (I'm new to QRP). Are back issues of QRPP available ??

72, Dick

>Hi Dick... Nothing beats heavy, smoothe operating keyer paddles (my favorite
>is the Kent Engineers kit), but you can't lug around a set of paddles that
>weighs more than your rig when you are backpacking. Check out N6YQD's "Lite
>Gear" paddles in the Sept. 1994 issue of QRPp. Terry designed these
>specifically for backpacking, and they work well and weigh less than an
>ounce. With a little practice you can do 20 - 25 WPM, but if you prefer 30+
>speeds, this might not be for you. Terry had a good supply of the switches,
>and was selling them at near cost to NorCal members. I also like the "Lite
>Gear" antenna discribed in the same article, and have made hundreds of
>contacts on it with my NC-40 from campsites, picnics and other outings.
>72, JC - KC6EIJ
>

Richard Slavens (APC) Napa, CA N19313 WA6TMF
aero@napanet.net

From qrp-l@Lehigh.EDU Mon Feb 26 22:34:00 1996
From: N5EM@aol.com
Subject: [4733] Re: New way to CQ???
Message-ID: <960226161953_333655551@emout07.mail.aol.com>

In a message dated 96-02-26 15:54:13 EST, you write:

> Huh? I assume it's some kind of CQ because they follow it by
> "de callsign callsign K"? Please forgive my ignorance but
> can someone enlighten me? I have heard at least 4 different
> hams (all within the US) call this way. Has someone changed
> the characters in the CW letter 'Q'???

>
> 72/73 de Dale, KB0VCC QRP-L #91
>
>
>

You have experienced a rare, usually fatal disease, known in the medical community as dyslexsius charlie whiskius. It is felt that this disease is contracted by occassional, infrequent contact with the contagion carrier, iamбус paddilius. There is no known cure, but the effects of the disease seem to diminish when prolonged contact with the infectious agent is maintained. Many go on to live a "normal" life (normal in that they function amoung other humans, yet requiring constant contact with the carrier).

Hope this helps.

72,
Ed Manuel, N5EM
n5em@aol.com

From qrp-1@Lehigh.EDU Mon Feb 26 22:34:00 1996
From: Mike Robinson <miker@cc.com>
Subject: [4736] Re: New way to CQ???
Message-ID: <9602262148.AA00505@voder.nsc.com>

-.-. -.-

is pure laziness, lack of attention to detail and
lack of respect for hobby.

Someone mentioned this a few weeks ago. He responded
to the lid with:

-.- ..--..

Another response on the air to this clod could be:

--.- -. -.. (QRD)

Which means to improve your keying (lid).

It's important to remember that in Amateur Radio
as in all aspects of life, there are people that
simply don't care. They don't know what it means
to try to be the best. They don't know how to
better themselves through self-examination.

=====
7.3 de Michael AA0UB miker@cc.com michael@frii.com
 http://www.frii.com/~michael
 QRP-L #126 Norcal #857 CQC #180
=====

From qrp-1@Lehigh.EDU Mon Feb 26 22:34:00 1996
From: Steve Bornstein <saborns@freenet.columbus.oh.us>
Subject: [4748] Re: New way to CQ???
Message-ID: <Pine.3.07.9602261907.A4778-b100000@acme>

On Mon, 26 Feb 1996 N5EM@aol.com wrote:

> In a message dated 96-02-26 15:54:13 EST, you write:

>

> > Huh? I assume it's some kind of CQ because they follow it by

> > "de callsign callsign K"? Please forgive my ignorance but

> > can someone enlighten me? I have heard at least 4 different

> > hams (all within the US) call this way. Has someone changed

> > the characters in the CW letter 'Q'???

> >

> > 72/73 de Dale, KB0VCC QRP-L #91

> >

> >

> >

>

> You have experienced a rare, usually fatal disease, known in the medical
> community as dyslexsius charlie whiskius. It is felt that this disease is
> contracted by occassional, infrequent contact with the contagion carrier,
> iambus paddilius. There is no known cure, but the effects of the disease
> seem to diminish when prolonged contact with the infectious agent is
> maintained. Many go on to live a "normal" life (normal in that they function
> amoung other humans, yet requiring constant contact with the carrier).

>

> Hope this helps.

>

> 72,

> Ed Manuel, N5EM

> n5em@aol.com

>

>

>

The proper response is "QLF" (Are you sending with your left foot).

73, Steve K8IDN

From qrp-l@Lehigh.EDU Mon Feb 26 22:34:00 1996

From: "DONALD A. COLEMAN (EXT. 2850)" <DACOLEMAN@fair1.fairfield.edu>

Subject: [4758] Re: noise cansellation in antennas

Message-ID: <01I10JTGB7MQ8Y9HGC@fair1.fairfield.edu>

Yes. The *trick* in every instance is to work with *two* tank circuits in which the noise energy is stored, and then to apply some coupling technique that will result in cancellation of the noise but not in cancellation of the signal you want to hear. Either make sure both circuits in question don't contain

any more signal energy than you can help, or at least make sure that the signal energy in one circuit doesn't cancel that in the other..

73

W1VOQ

From qrp-1@Lehigh.EDU Mon Feb 26 22:34:00 1996
From: JC_Smith@designlink.com (JC Smith)
Subject: [4732] Re: Re: Keyer Paddles ??
Message-ID: <4081119198.117938947@designlink.com>

Just send off a check this weekend to join NorCal (I'm new to QRP). Are back issues of QRPP available ?

Hi Dick... Yes, you can get back issues from Doug Hendricks (QRPP editor). He does them up as bound, yearly books. Cost is \$10/year (I think?). Worth it at twice the price. Many excellent articles in there. Glad to have you in the group. 72, JC

--

Sent from Designlink, San Francisco. Design, Graphics, Photo, Portfolios Online.
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Internet Access: Via TCP/IP PORT: 3000; IP: designlink.com or 206.14.15.3
WEB: <http://www.designlink.com>

From qrp-1@Lehigh.EDU Mon Feb 26 22:34:00 1996
From: Richard E Robinson <rerobins@uncc.edu>
Subject: [4724] Re: Re[2]: TEN-TEC SERVICE
Message-ID: <Pine.SOL.3.91.960226115107.29502D-100000@unccsun>

On Fri, 23 Feb 1996 JDuffy@aol.com wrote:

> Ditto on the big three. The other problem I have with the Japanese
> manufacturers is that they continue to make radios that are very complicated
> to use if you want to take advantage of all the features. Have the features
> are not important to me so I don't want to pay for them. All I want is a
> quality rig, good quiet receiver, clean transmitter, filters, RIT/XIT and

> some of the other basics. You can keep all that other stuff. That's why I
> own a Paragon II from Ten-Tec. Quality and simplicity.

Good point Duffy! No one can ever accuse TenTec of not having simple
rigs to operate. Perhaps that's because they are designed by hams and
not marketing executives.

72,

Rick kf4ar
rerobins@uncc.edu

From qrp-1@Lehigh.EDU Mon Feb 26 22:34:00 1996
From: TIMOTHY J PETTIBONE <tpettibo@NMSU.Edu>
Subject: [4693] Re: The CQC Contest, from the Land of Trolls
Message-ID: <Pine.A32.3.91.960225222502.41413A-100000@hector>

Russ:

Enjoyed talking to you in the qso party. I only worked 17 stations, 10
sections, and 11 names, but had fun anyway. Sounds like you had a
winning run!

72, Tim AB50U
Las Cruces, NM

From qrp-1@Lehigh.EDU Mon Feb 26 22:34:00 1996
From: Steve Silverwood <kb6ojs@earthlink.net>
Subject: [4754] Re: UNBUILT HW-9: HOW MUCH?
Message-ID: <199602270154.RAA20801@holland.it.earthlink.net>

At 17:36 2/26/96 EST, litigate wrote:
>I have a chance to buy an unbuilt HW-9 up here. How much is it worth?

Probably a small fortune, relatively speaking!

-- //Steve//

Computer Associates	CompuServe: 76703,3035
Fax: 714/557-1675	Internet: kb6ojs@earthlink.net
Phone: 714/513-7236	America Online: KB6OJS
Homepage: http://ourworld.compuserve.com/homepages/KB6OJS	

From qrp-1@Lehigh.EDU Mon Feb 26 22:34:00 1996
From: Jim Eshleman <lujce@hooch.CC.Lehigh.EDU>
Subject: [4722] Re: WARNING: message delayed at "nd.edu"
Message-ID: <96Feb26.113424est.57461-14900+26@hooch.CC.Lehigh.EDU>

Gang,

Sorry 'bout that, my fault. I problem's been fixed, I think (famous last words :-)

73
Jim N3VXI

From qrp-1@Lehigh.EDU Mon Feb 26 22:34:00 1996
From: Steven Wilson <randyw@crl.com>
Subject: [4753] Re: your mail
Message-ID: <Pine.SUN.3.91.960226161927.4215A-100000@crl5.crl.com>

I have been working with a passive noise canceller and they do work. The operation is very simple, you couple two tuned circuits. The noise is received on both and when you couple them together one signal is 180 degrees out of phase with the other one. Add the two noise sine waves and the result is zero. de stan ak0b

On Mon, 26 Feb 1996 jachabas@pratique.fr wrote:

> I was very interrested in the paper from QST february 96 page 78.
>
> An antenna noise canceller is really a very interresting piece of
> equipement, it doesn't seem to be a joke.
>
> But, how can it work??? I cannot imagine how can be such an equipement.
>
> I will be very interrested in a synopsis, an explanation, or any information
> about such a system.
>
>
> Thank you and best 73 from F6DYA
>
> -----
> FRANCE PRATIQUE - <http://www.pratique.fr>
> -----
>
>

>
>
>